

ABSTRACT OF THE DISCLOSURE

A VTMS queue scheduler integrates traffic shaping and link sharing functions within a single mechanism and that scales to an arbitrary number of queues of an intermediate station in a computer network. The scheduler assigns committed information bit rate and excess information bit rate values per queue, along with a shaped maximum bit rate per media link of the station. The integration of shaping and sharing functions decreases latency-induced inaccuracies by eliminating a queue and feedback mechanism between the sharing and shaping functions of conventional systems.

For the purpose of the disclosure